

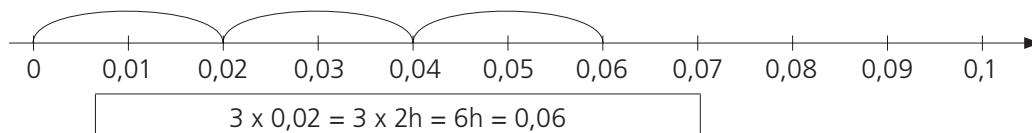
7 KOMMAGETALLEN TOT h VERMENIGVULDIGEN EN DELEN



A Vermenigvuldigen

1 Los op. Gebruik de getallenlijn.

$$3 \times 0,02 = 0,06$$



$$2 \times 0,04 = \dots \quad 2 \times 0,03 = \dots \quad 0,03 \times 2 = \dots$$

$$3 \times 0,03 = \dots \quad 0,02 \times 3 = \dots \quad 0,01 \times 6 = \dots$$

2 Nu wat moeilijker ...

$$5 \times 0,03 = 5 \times 3h = 15h = 0,15$$

$$6 \times 0,05 = \dots \quad 9 \times 0,07 = \dots \quad 0,09 \times 9 = \dots$$

$$7 \times 0,08 = \dots \quad 9 \times 0,05 = \dots \quad 0,06 \times 8 = \dots$$

3 Nog een stapje verder!

$$5 \times 0,13 = 5 \times 13h = 65h = 0,65$$

$$4 \times 0,22 = \dots \quad 0,25 \times 3 = \dots \quad 2 \times 0,45 = \dots$$

$$3 \times 0,31 = \dots \quad 6 \times 0,15 = \dots \quad 0,27 \times 3 = \dots$$

4 En ten slotte ...

$$5 \times 2,03 = 5 \times 203h = 1015h = 10,15$$

or

$$5 \times 2,03 = (5 \times 2) + (5 \times 3h) = 10 + 15h = 10,15$$

$$4 \times 1,06 = \dots \quad 8,03 \times 9 = \dots$$

$$5 \times 4,05 = \dots \quad 3,06 \times 8 = \dots$$

$$6 \times 5,07 = \dots \quad 9,09 \times 9 = \dots$$

5 Tien of honderd keer groter

	H	T	E,	t	h	d
			0,	0	6	
$\times 10$			0,	6		
$\times 100$			6			
$10 \times 0,06 = 10 \times 6h = 60h = 6t = 0,6$ $100 \times 0,06 = 100 \times 6h = 600h = 6E = 6$						

	H	T	E,	t	h	d
			5,	2	5	
$\times 10$		5	2,	5		
$\times 100$	5	2	5			
$10 \times 5,25 = 52,5$ $100 \times 5,25 = 525$						

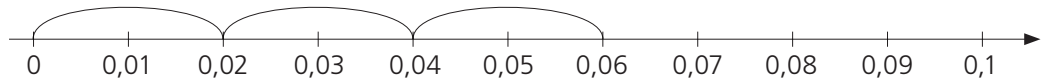
$$10 \times 0,08 = \dots \quad 0,48 \times 10 = \dots \quad 5,77 \times 10 = \dots \quad 2,05 \times 10 = \dots$$

$$100 \times 0,06 = \dots \quad 0,48 \times 100 = \dots \quad 5,77 \times 100 = \dots \quad 4,06 \times 100 = \dots$$

B Delen

1 Los op. Gebruik de getallenlijn.

$$0,06 : 3 = 0,02$$



$$0,06 : 3 = 6h : 3 = 2h = 0,02$$

$$0,04 : 2 = \dots\dots\dots 0,08 : 4 = \dots\dots\dots 0,07 : 7 = \dots\dots\dots$$

$$0,03 : 3 = \dots\dots\dots 0,06 : 2 = \dots\dots\dots 0,09 : 3 = \dots\dots\dots$$

2 Nu wat moeilijker ...

$$0,15 : 3 = 15h : 3 = 5h = 0,05$$

$$0,30 : 6 = \dots\dots\dots 0,63 : 7 = \dots\dots\dots 0,81 : 9 = \dots\dots\dots$$

$$0,56 : 8 = \dots\dots\dots 0,63 : 9 = \dots\dots\dots 0,56 : 8 = \dots\dots\dots$$

$$0,54 : 6 = \dots\dots\dots 0,45 : 9 = \dots\dots\dots 0,48 : 6 = \dots\dots\dots$$

3 En ten slotte ...

$$10,05 : 5 = 1\ 005h : 5 = 201h = 2,01$$

or

$$10,05 : 5 = (10 : 5) + (5h : 5) = 2 + 1h = 2,01$$

$$4,24 : 4 = \dots\dots\dots 72,27 : 9 = \dots\dots\dots$$

$$20,25 : 5 = \dots\dots\dots 8,48 : 8 = \dots\dots\dots$$

$$30,42 : 6 = \dots\dots\dots 81,81 : 9 = \dots\dots\dots$$

4 Tien of honderd keer kleiner

	H	T	E,	t	h	d
			6			
: 10			0,	6		
: 100			0,	0	6	
	$6 : 10 = 6t = 0,6$ $6 : 100 = 6h = 0,06$					

	H	T	E,	t	h	d
		2	5			
: 10			2,	5		
: 100			0,	2	5	
	$25 : 10 = 2,5$ $25 : 100 = 0,25$					

$$0,8 : 10 = \dots\dots\dots 4,8 : 10 = \dots\dots\dots 5,2 : 10 = \dots\dots\dots$$

$$4 : 10 = \dots\dots\dots 48 : 100 = \dots\dots\dots 70 : 100 = \dots\dots\dots$$

$$6 : 100 = \dots\dots\dots 5,7 : 10 = \dots\dots\dots 50,4 : 10 = \dots\dots\dots$$

9 CIJFEREND OPTELLEN EN AFTREKKEN MET KOMMAGETALLEN TOT h



A Optellen

1 Eerst schatten, dan uitrekenen. Vergeet de komma niet!

$$127,43 + 28,07 = \dots\dots\dots$$

$$418,3 + 267,53 = \dots\dots\dots$$

$$947 + 278,04 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$\approx \dots\dots\dots$$

D	H	T	E,	t	h
+					

D	H	T	E,	t	h
+					

D	H	T	E,	t	h
+					

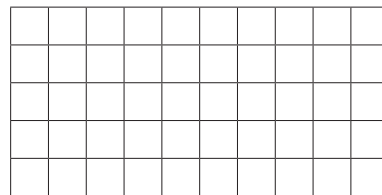
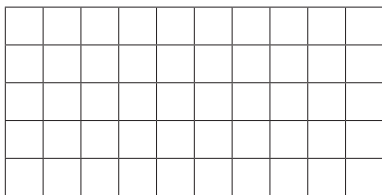
2 Nu op ruitjespapier

$$512,57 + 27,14 = \dots\dots\dots$$

$$728,42 + 751,9 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$\approx \dots\dots\dots$$

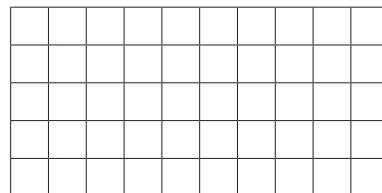
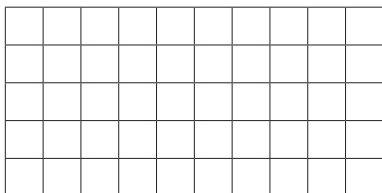


$$608,06 + 590,08 = \dots\dots\dots$$

$$762,08 + 539,53 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$\approx \dots\dots\dots$$



B Aftrekken

1 Eerst schatten, dan uitrekenen. Vergeet de komma niet!

$$78,43 - 23,07 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$876,25 - 36,94 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

$$263,8 - 147,03 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$

D	H	T	E,	t	h
-					

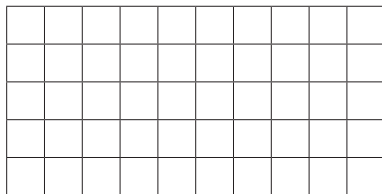
D	H	T	E,	t	h
-					

D	H	T	E,	t	h
-					

2 Nu op ruitjespapier

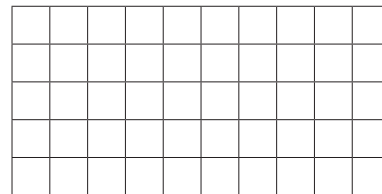
$$574,36 - 92,05 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$



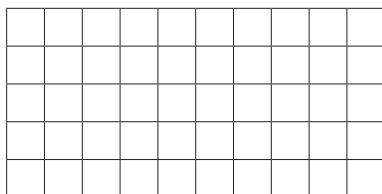
$$369,2 - 61,62 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$



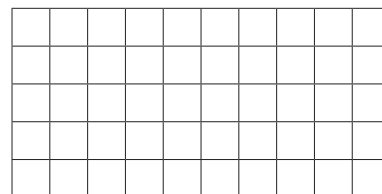
$$608,06 - 590,8 = \dots\dots\dots$$

$$\approx \dots\dots\dots$$



$$839 - 372,43 = \dots\dots\dots$$

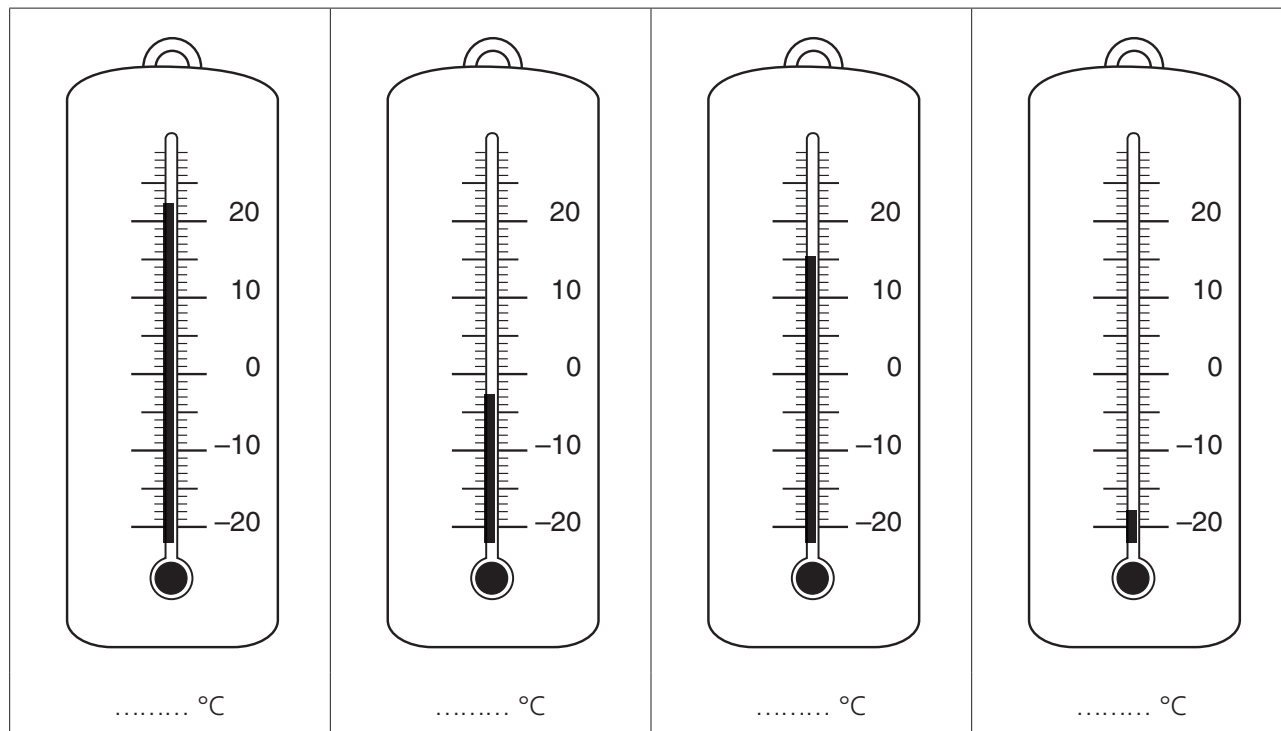
$$\approx \dots\dots\dots$$



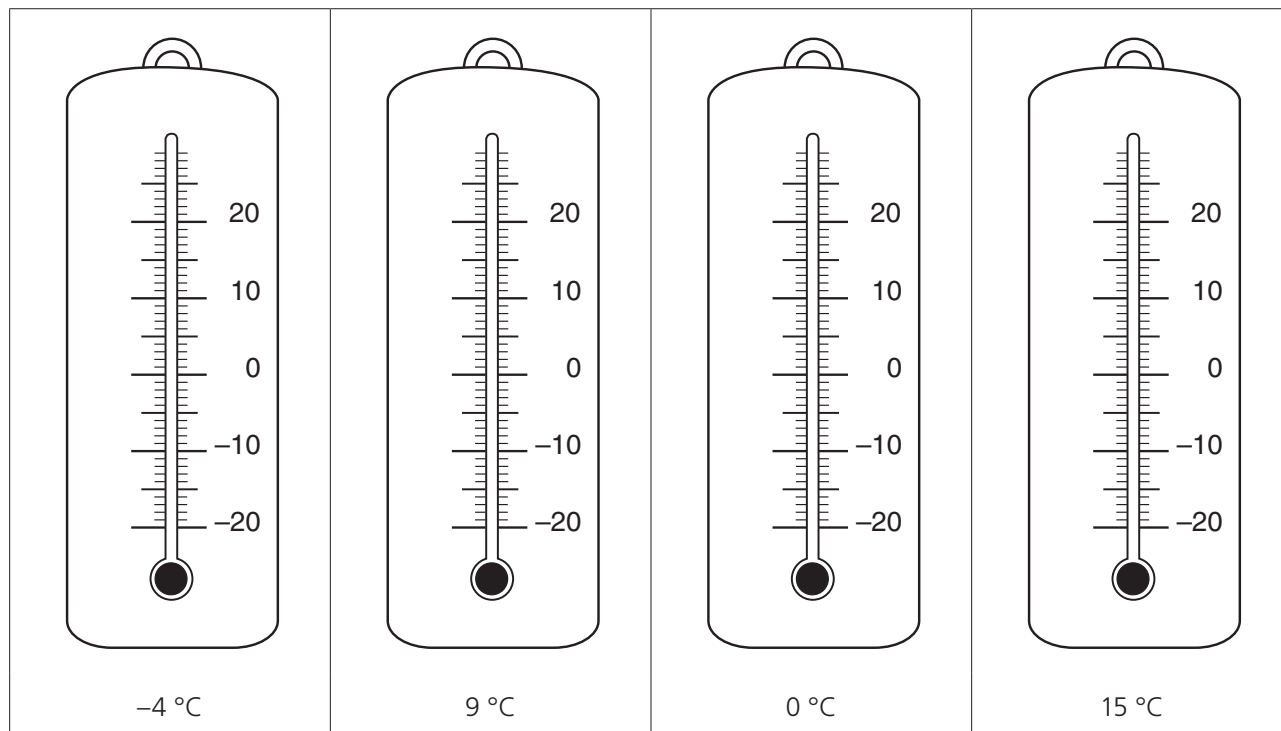
14 TEMPERATUUR



1 Hoeveel graden geeft de thermometer aan?



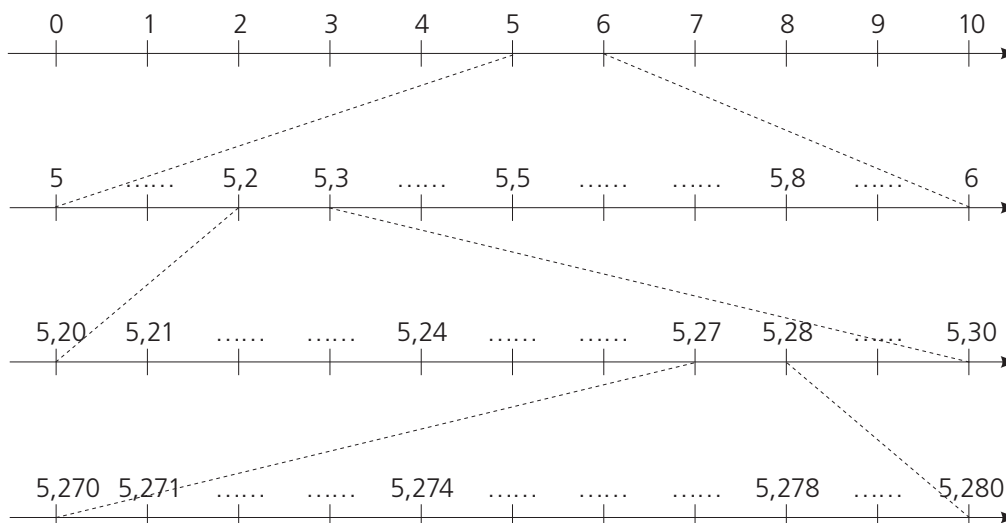
2 Kleur de temperatuur op deze thermometers.



2-3 KOMMAGETALLEN TOT d



1 Vul de ontbrekende kommagetallen in.



2 Vul in: <, > of =.

4,120	.....	4,210	1,555	.....	1,505	5,09	.....	5,90
0,501	.....	0,5	6,025	.....	6,250	4,23	.....	4,2
3,1	.....	3,100	0,007	.....	0,07	8,8	.....	8,756

3 Schrijf het getal.

7H + 9T + 2E + 5t + 8h + 4d =

3D + 9H + 4T + 8t + 7d =

4h + 2t + 8d =

9E + 9h =

4 Welke waarde heeft de 2 in deze getallen?

245,155 → 2 = 2.....

56,023 → 2 = 2.....

42 368,4 → 2 = 2.....

0,592 → 2 = 2.....

5 Tel verder of tel terug.

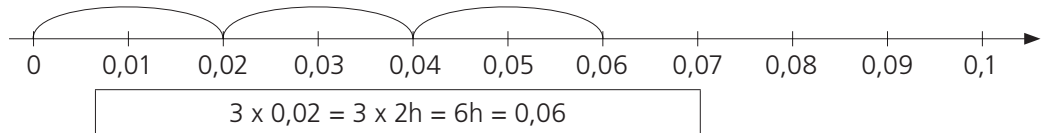
+ 0,01	5,27	.....	.....	.....	.....	.....
- 0,01	0,154	.....	.....	.....	.....	.....
+ 0,001	2,236	.....	.....	.....	.....	.....
- 0,001	4,055	.....	.....	.....	.....	.....
+ 0,02	6,25	.....	.....	.....	.....	.....



A Vermenigvuldigen

1 Los op. Gebruik de getallenlijn.

$3 \times 0,02 = 0,06$



$$\begin{array}{lll} 2 \times 0,04 = \dots \mathbf{0,08} \dots & 2 \times 0,03 = \dots \mathbf{0,06} \dots & 0,03 \times 2 = \dots \mathbf{0,06} \dots \\ 3 \times 0,03 = \dots \mathbf{0,09} \dots & 0,02 \times 3 = \dots \mathbf{0,06} \dots & 0,01 \times 6 = \dots \mathbf{0,06} \dots \end{array}$$

2 Nu wat moeilijker ...

$$5 \times 0,03 = 5 \times 3h = 15h = 0,15$$

$$\begin{array}{lll} 6 \times 0,05 = \dots \mathbf{0,30} \dots & 9 \times 0,07 = \dots \mathbf{0,63} \dots & 0,09 \times 9 = \dots \mathbf{0,81} \dots \\ 7 \times 0,08 = \dots \mathbf{0,56} \dots & 9 \times 0,05 = \dots \mathbf{0,45} \dots & 0,06 \times 8 = \dots \mathbf{0,48} \dots \end{array}$$

3 Nog een stapje verder!

$$5 \times 0,13 = 5 \times 13h = 65h = 0,65$$

$$\begin{array}{lll} 4 \times 0,22 = \dots \mathbf{0,88} \dots & 0,25 \times 3 = \dots \mathbf{0,75} \dots & 2 \times 0,45 = \dots \mathbf{0,90} \dots \\ 3 \times 0,31 = \dots \mathbf{0,93} \dots & 6 \times 0,15 = \dots \mathbf{0,90} \dots & 0,27 \times 3 = \dots \mathbf{0,81} \dots \end{array}$$

4 En ten slotte ...

$$\begin{array}{l} 5 \times 2,03 = 5 \times 203h = 1\,015h = 10,15 \\ \text{of} \\ 5 \times 2,03 = (5 \times 2) + (5 \times 3h) = 10 + 15h = 10,15 \end{array}$$

$$\begin{array}{ll} 4 \times 1,06 = \dots \mathbf{4,24} \dots & 8,03 \times 9 = \dots \mathbf{72,27} \dots \\ 5 \times 4,05 = \dots \mathbf{20,25} \dots & 3,06 \times 8 = \dots \mathbf{24,48} \dots \\ 6 \times 5,07 = \dots \mathbf{30,42} \dots & 9,09 \times 9 = \dots \mathbf{81,81} \dots \end{array}$$

5 Tien of honderd keer groter

	H	T	E,	t	h	d
			0,	0	6	
x 10			0,	6		
x 100			6			
$10 \times 0,06 = 10 \times 6h = 60h = 6t = 0,6$ $100 \times 0,06 = 100 \times 6h = 600h = 6E = 6$						

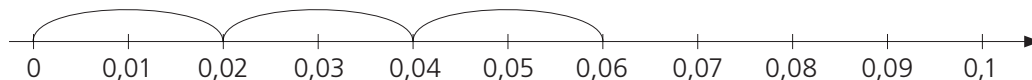
	H	T	E,	t	h	d
			5,	2	5	
x 10		5	2,	5		
x 100	5	2	5			
$10 \times 5,25 = 52,5$ $100 \times 5,25 = 525$						

$$\begin{array}{llll} 10 \times 0,08 = \dots \mathbf{0,8} \dots & 0,48 \times 10 = \dots \mathbf{4,8} \dots & 5,77 \times 10 = \dots \mathbf{57,7} \dots & 2,05 \times 10 = \dots \mathbf{20,5} \dots \\ 100 \times 0,06 = \dots \mathbf{6} \dots & 0,48 \times 100 = \dots \mathbf{48} \dots & 5,77 \times 100 = \dots \mathbf{577} \dots & 4,06 \times 100 = \dots \mathbf{406} \dots \end{array}$$

B Delen

1 Los op. Gebruik de getallenlijn.

$$0,06 : 3 = 0,02$$



$$0,06 : 3 = 6h : 3 = 2h = 0,02$$

$$\begin{array}{lll} 0,04 : 2 = \dots \mathbf{0,02} \dots & 0,08 : 4 = \dots \mathbf{0,02} \dots & 0,07 : 7 = \dots \mathbf{0,01} \dots \\ 0,03 : 3 = \dots \mathbf{0,01} \dots & 0,06 : 2 = \dots \mathbf{0,03} \dots & 0,09 : 3 = \dots \mathbf{0,03} \dots \end{array}$$

2 Nu wat moeilijker ...

$$0,15 : 3 = 15h : 3 = 5h = 0,05$$

$$\begin{array}{lll} 0,30 : 6 = \dots \mathbf{0,05} \dots & 0,63 : 7 = \dots \mathbf{0,09} \dots & 0,81 : 9 = \dots \mathbf{0,09} \dots \\ 0,56 : 8 = \dots \mathbf{0,07} \dots & 0,63 : 9 = \dots \mathbf{0,07} \dots & 0,56 : 8 = \dots \mathbf{0,07} \dots \\ 0,54 : 6 = \dots \mathbf{0,09} \dots & 0,45 : 9 = \dots \mathbf{0,05} \dots & 0,48 : 6 = \dots \mathbf{0,08} \dots \end{array}$$

3 En ten slotte ...

$$\begin{array}{l} 10,05 : 5 = 1005h : 5 = 201h = 2,01 \\ \text{of} \\ 10,05 : 5 = (10 : 5) + (5h : 5) = 2 + 1h = 2,01 \end{array}$$

$$\begin{array}{ll} 4,24 : 4 = \dots \mathbf{1,06} \dots & 72,27 : 9 = \dots \mathbf{8,03} \dots \\ 20,25 : 5 = \dots \mathbf{4,05} \dots & 8,48 : 8 = \dots \mathbf{1,06} \dots \\ 30,42 : 6 = \dots \mathbf{5,07} \dots & 81,81 : 9 = \dots \mathbf{9,09} \dots \end{array}$$

4 Tien of honderd keer kleiner

	H	T	E,	t	h	d
			6			
: 10			0,	6		
: 100			0,	0	6	
	$6 : 10 = 6t = 0,6$ $6 : 100 = 6h = 0,06$					

	H	T	E,	t	h	d
		2	5			
: 10			2,	5		
: 100			0,	2	5	
	$25 : 10 = 2,5$ $25 : 100 = 0,25$					

$$\begin{array}{lll} 0,8 : 10 = \dots \mathbf{0,08} \dots & 4,8 : 10 = \dots \mathbf{0,48} \dots & 5,2 : 10 = \dots \mathbf{0,52} \dots \\ 4 : 10 = \dots \mathbf{0,4} \dots & 48 : 100 = \dots \mathbf{0,48} \dots & 70 : 100 = \dots \mathbf{0,70} \dots \\ 6 : 100 = \dots \mathbf{0,06} \dots & 5,7 : 10 = \dots \mathbf{0,57} \dots & 50,4 : 10 = \dots \mathbf{5,04} \dots \end{array}$$



A Optellen

1 Eerst schatten, dan uitrekenen. Vergeet de komma niet!

$$127,43 + 28,07 = \underline{155,50} \dots$$

$$\approx \underline{130 + 30 = 160} \dots$$

$$418,3 + 267,53 = \underline{685,83}$$

$$\approx \underline{420 + 270 = 690} \dots$$

$$947 + 278,04 = \underline{1.225,04} \dots$$

$$\approx \underline{950 + 280 = 1.230}$$

D	H	T	E,	t	h
	1	2	7,	4	3
+		2	8,	0	7
	1	5	5,	5	0
		1		1	

D	H	T	E,	t	h
	4	1	8,	3	
+	2	6	7,	5	3
	6	8	5,	8	3
		1			

D	H	T	E,	t	h
	9	4	7		
+	2	7	8,	0	4
1	2	2	5,	0	4
	1	1			

2 Nu op ruitjespapier

$$512,57 + 27,14 = \underline{539,71} \dots$$

$$\approx \underline{510 + 30 = 540} \dots$$

		5	1	2,	5	7			
	+		2	7,	1	4			
		5	3	9,	7	1			
				1					

$$728,42 + 751,9 = \underline{1.480,32} \dots$$

$$\approx \underline{730 + 750 = 1.480} \dots$$

		7	2	8,	4	2			
	+		7	5	1,	9			
	1	4	8	0,	3	2			
		1	1						

$$608,06 + 590,08 = \underline{1.198,14} \dots$$

$$\approx \underline{610 + 590 = 1.200} \dots$$

		6	0	8,	0	6			
	+	5	9	0,	0	8			
	1	1	9	8,	1	4			
				1					

$$762,08 + 539,53 = \underline{1.301,61} \dots$$

$$\approx \underline{760 + 540 = 1.300} \dots$$

		7	6	2,	0	8			
	+	5	3	9,	5	3			
	1	3	0	1,	6	1			
		1	1		1				

B Aftrekken

1 Eerst schatten, dan uitrekenen. Vergeet de komma niet!

$$78,43 - 23,07 = \underline{55,36} \dots$$

$$\approx \underline{80 - 20 = 60} \dots$$

$$876,25 - 36,94 = \underline{839,31} \dots$$

$$\approx \underline{880 - 40 = 840} \dots$$

$$263,8 - 147,03 = \underline{116,77} \dots$$

$$\approx \underline{260 - 150 = 110} \dots$$

D	H	T	E,	t	h
				3	13
		7	8,	4	3
-		2	3,	0	7
		5	5,	3	6

D	H	T	E,	t	h
		6	¹⁵ 6	12	
	8	7	6,	2	5
-		3	6,	9	4
	8	3	9,	3	1

D	H	T	E,	t	h
		5	13	7	10
	2	6	3,	8	0
-	1	4	7,	0	3
	1	1	6,	7	7

2 Nu op ruitjespapier

$$574,36 - 92,05 = \underline{482,31} \dots$$

$$\approx \underline{570 - 90 = 480} \dots$$

			4	17					
			5	7	4,3	6			
		-		9	2,0	5			
			4	8	2,3	1			

$$369,2 - 61,62 = \underline{307,58} \dots$$

$$\approx \underline{370 - 60 = 310} \dots$$

						11			
					8	1	10		
			3	6	0,	2	0		
		-		6	1,6	2			
			3	0	7,5	8			

$$608,06 - 590,8 = \underline{17,26} \dots$$

$$\approx \underline{610 - 590 = 20} \dots$$

			5	10	7	10			
			6	0	8,	0	6		
		-	5	9	0,8				
			0	1	7,2	6			

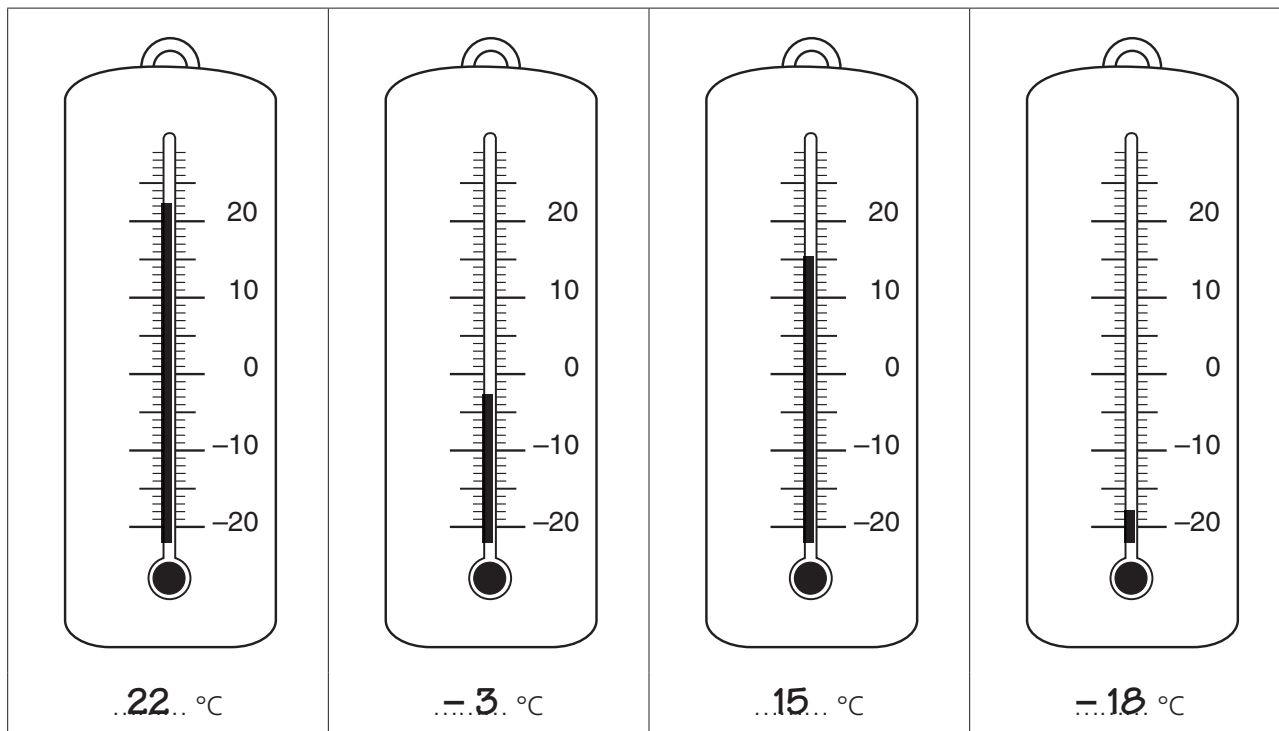
$$839 - 372,43 = \underline{466,57} \dots$$

$$\approx \underline{840 - 370 = 470} \dots$$

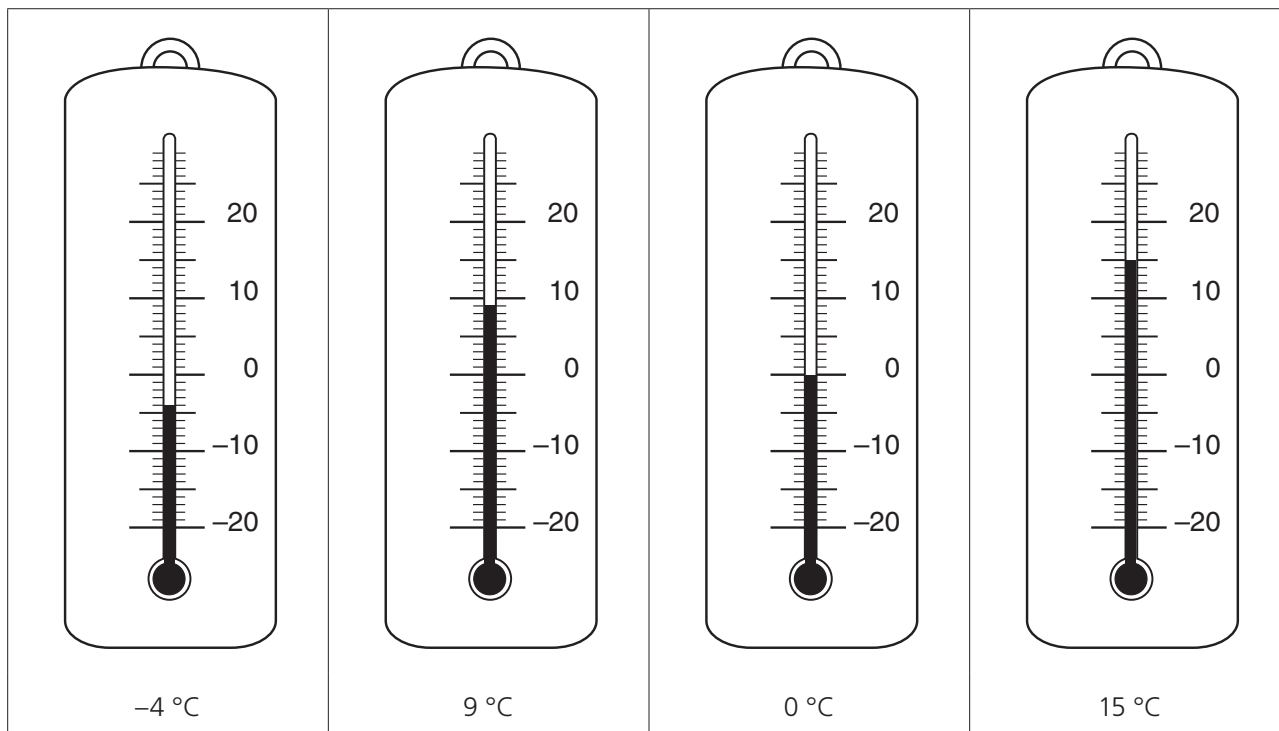
						9			
			7	13	8	10	10		
			8	3	0,	0	0		
		-	3	7	2,4	3			
			4	6	6,5	7			



1 Hoeveel graden geeft de thermometer aan?

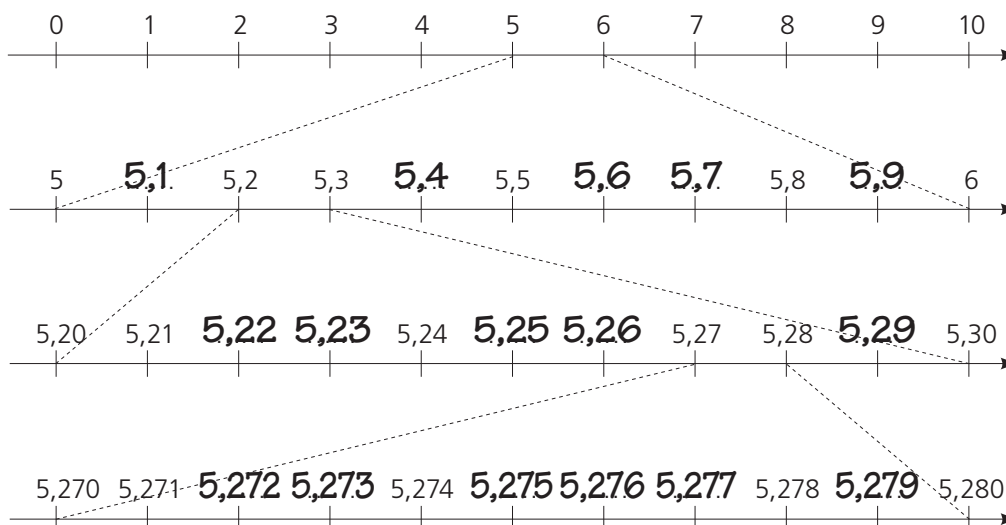


2 Kleur de temperatuur op deze thermometers.





1 Vul de ontbrekende kommagetallen in.



2 Vul in: <, > of =.

4,120 ..<.. 4,210 1,555 ..>.. 1,505 5,09 ..<.. 5,90
 0,501 ..>.. 0,5 6,025 ..<.. 6,250 4,23 ..>.. 4,2
 3,1 ..=.. 3,100 0,007 ..<.. 0,07 8,8 ..>.. 8,756

3 Schrijf het getal.

7H + 9T + 2E + 5t + 8h + 4d = **792,584**...
 3D + 9H + 4T + 8t + 7d = **3.940,807**...
 4h + 2t + 8d = **0,248**.....
 9E + 9h = **9,09**.....

4 Welke waarde heeft de 2 in deze getallen?

245,155 → 2 = 2. **H**..
 56,023 → 2 = 2. **h**..
 42 368,4 → 2 = 2. **D**..
 0,592 → 2 = 2. **d**..

5 Tel verder of tel terug.

+ 0,01	5,27	... 5,28 ...	... 5,29 ...	... 5,30 ...	... 5,31 ...	... 5,32 ...
- 0,01	0,154	... 0,144 ...	... 0,134 ...	... 0,124 ...	... 0,114 ...	... 0,104 ...
+ 0,001	2,236	... 2,237 ...	... 2,238 ...	... 2,239 ...	... 2,240 ...	... 2,241 ...
- 0,001	4,055	... 4,054 ...	... 4,053 ...	... 4,052 ...	... 4,051 ...	... 4,050 ...
+ 0,02	6,25	... 6,27 ...	... 6,29 ...	... 6,31 ...	... 6,33 ...	... 6,35 ...